

CLAIMS:

1. Canceled
2. (Currently Amended) The apparatus of claim 64, the logging apparatus comprising a logging sonde, coil tubing, or wireline.
3. (Currently Amended) The apparatus of claim 64, where a sensor drift associated with one gravity sensor is time-correlated with a sensor drift of another gravity sensor.
4. (Currently Amended) The apparatus of claim 3, where sensor drifts of all the gravity sensors are time-correlated with one another.
5. (Currently Amended) The apparatus of claim 64, further comprising sensor hardware or software configured to correct sensor drift of one or more of the gravity sensors.
6. (Currently Amended) An apparatus comprising: a subsurface logging apparatus; and a plurality of gravity sensors coupled to the subsurface logging apparatus, the sensors being spaced a known, distance apart to form a gravity sensor array, where different gravity sensors are spaced at different distances from one another.
7. (Currently Amended) The apparatus of claim 64, where the array is a linear, vertical array.
8. (Currently Amended) A method of logging using multiple gravity sensors, comprising:
spacing different gravity sensors ~~a known, different~~ different distances from one another and apart to form a gravity sensor array; placing the gravity sensor array into a subsurface environment and in association with a subsurface logging apparatus; and
using the gravity sensor array to make gravity measurements of the subsurface.

9. (Currently Amended) The method of claim 8, where the different gravity sensors make gravity measurements simultaneously.

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39. Canceled

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